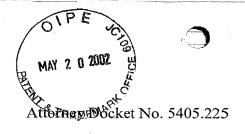
PATENT



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re:

Boustany, et al.

Serial No.:

09/830,045

Filed:

20 April 2001

For:

METHODS OF SCREENING FOR RISK OF PROLIFERATIVE DISEASE

AND METHODS FOR THE TREATMENT OF PROLIFERATIVE

DISEASE

May 15, 2002

Commissioner for Patents Washington, DC 20231

INFORMATION DISCLOSURE STATEMENT

Sir:

Attached is a form PTO-1449, together with a copy of the identified document(s). This Information Disclosure Statement is submitted in accordance with 37 C.F.R. § 1.97(b), within three months of the filing date of the above-referenced application or before the mailing of a first Office Action on the merits, whichever event occurs last. Accordingly, no fee is required. The Commissioner is authorized to charge any additional fee, or credit any refund, to our Deposit Account No. 50-0220.

Respectfully submitted,

Kenneth D. Sibley

Registration No. 31,665



PATENT TRADEMARK OFFICE

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I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Box Missing Parts, Commissioner for Patents, Washington, DC 20231 on May 15, 2002.

Vickie Diane Prior

Date of Signature: May 15, 2002

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Examiner	Cite No.					ATENT DOCUMEN ame of Patentee or A	pplicant	Date of Publicat		Pages, Columns, L	
Initials*		Number		Kind Code (if known)		of Cited Document		Cited Document MM-DD-YYYY		Where Relevant Passage or Relevant Figures	
	1	4.5	99,308		Ha	amer et al.		7/8/86		Appear	
	2		97,368			arter et al.		1/10/89			
	3		39,941			uzyczka et al.		8/18/92	· · · · · · · · · · · · · · · · · · ·		
·····	4		73,414			bkowski et al.		12/22/92			
	5		76,996	_		ogan et al.		1/5/93			
	6		252,479			ivastava		10/12/93			
	7	5.2	88,514			lman		2/22/94	····		
	8		54,678			bkowski et al.		10/11/94			
	9		36,146	_		nenk et al.		7/25/95			
	10		45,934			odor et al.		8/29/95			
	11		68,634	_	Liu			11/21/95			
	12		74,935			natterjee et al.		12/12/95			
······································	13		18,913			assie et al.		5/21/96			
	14		65,324			ill et al.		10/15/96			
	15		,585,269			arp, III et al.		12/17/96			
	16	5.5	85,362			ilson et al.		12/17/96			
	17	5.5	87,308	_		Carter et al. Chokai et al. Alexander et al. Spibey		12/24/96 12/31/96 2/18/97 4/1/97			
	18		89,477	- 							
	19		04,090								
	20		16,326	_							
	21		522,856			atsoulis		4/22/97			
	22		550,316			garwal et al.		7/22/97	-		
	23		558,776			otte et al.		8/19/97			
	24	5.6	70,488	1				9/23/97			
	25	5,677,158				nou et al.		10/14/97			-
	26		81,731			bkowski et al.		10/28/97		***************************************	
	27		07,865			ohn et al.		1/13/98			
	28		0,734,039					3/31/98			
	29		747,335		Haseloff et al.		,	5/5/98 6/16/98			
			66,942			aseloff et al.					
·····	31		73,260		G	oldberg et al.		6/30/98			
	32		311,537			riesen	***************************************	9/22/98			
	33		317,635			kstein et al.		10/6/98			
	,		3,	FC		PATENT DOCUM	ENTS				
Examiner	Cite		Foreign Patent Document			Name of Patentee or		Date of Publication	n Pa	ges, Columns, Lines,	Т
Initials*	No.	Office			(ind Code f known)			of Cited Document MM-DD-YYYY		Where Relevant Passages or Relevant Figures Appear	
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Examiner Initials*	Cite No.	Include serial, s	name of the autl ymposium, catal	nor (in CAPITA) og, etc.), date,	L LETTER page(s), v	S), title of the article (wholume-issue number(s),	en appropria publisher, c	ate), title of the item (ity and/or country wh	book, ma ere publis	ngazine, journal, 7 shed	
	34	Altsch	ul. et al Bas	sic Local Alie	anment	Search Tool. J. Mo	l. Biol V	ol, 215, pp. 403-	410 (19	990	
	35										
	36			Cloning Str	ucture a	and Expression of t	he Mitoch	ondrial Cytochro	me P-	450 Sterol 26-	
	000		rsson, et al., Cloning, Structure, and Expression of the Mitochondrial Cytochrome P-450 Sterol 26- oxylase, a Bile Acid Biosynthetic Enzyme, Journal of Biological Chemistry, Vol. 264, No. 14, pp.								
			2-8229 (1989)						5,	, pp.	
	37	Arend				the Endonuclease	American	Journal of Path	ology	Vol. 136, No.	
			593-608)		0.0 0/	the Endonuclease, American Journal of Pathology, Vol. 136, No.					
Substitute	form 144							Complete if Kno	wn		
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Sheet	2	Of	34	Attorney Docket Number	5405.225						
				ON PATENT LITERATURE DOC							
Examiner Initials*	Cite No.	serial, symposium, catal	title of the item (book, magazine, journal, hd/or country where published								
	38	Atherton, et al., <i>The Solid Phase in Solid-Phase Synthesis</i> , Perspectives in Peptide Chemistry, pp. 101-117 (Karger, Basel 1981)									
	39	Bligh, et al., A Rapid Method of Total Lipid Extraction and Purification, Canadian Journal of Biochemistry and Physiology, Vol. 37, No. 8, pp. 911-917 (August 1959)									
	40	Boustany, et al., Neurological Progress – The Neuronal Ceroid Lipofuscinoses: A Review, Revue Neurologique, Vol. 145, No. 2, pp. 105-110 (1989)									
	41	Boustany, Rose-Mary, Neurology of the Neuronal Ceroid-Lipofuscinoses: Late Infantile and Juvenile Types, American Journal of Medical Genetics, Vol. 42, pp. 533-535 (1992)									
į	42	Boustany, et al., Clinical Classification of Neuronal Ceroid-Lipofuscinosis Subtypes, American Journal of Medical Genetics Supplement, Vol. 5, pp. 47-58 (1988)									
	43	Fieck, et al., Modifications of the E. coli Lac repressor for expression in eukaryotic cells: effects of nuclear signal sequences on protein activity and nuclear accumulation, Nucleic Acids Research, Vol. 20, No. 7, pp. 1785-1791 (April 11, 1992)									
	44	Friedmann, Theod (June 16, 1989)	ore, <i>Progress Towa</i>	ard Human Gene Therapy, <u>Scien</u>	ce, Vol. 244, pp. 1275-1281						
	45	Fridkin, Mati, Polyr	neric Reagents in F	Peptide Synthesis, The Peptides,	Vol. 2, pp. 333-363 (1979)						
	46	Stoll, et al., Effect of Cancer Research,	of Vincristine on Sis Vol. 36 , pp. 2710-2	ster Chromatid Exchanges of No. 2713 (August 1976)	rmal Hyman Lymphocytes,						
	47			oliferating Neuronal Cells by Ser urnal of Neurochemistry, Vol. 60							
	48			Cleavage of Poly(ADP-ribose) Pancer Research, pp. 3976-3985 (
	49	Obeid, et al., <i>Progi</i> 19, 1993)	rammed Cell Death	Induced by Ceramide, Science,	Vol. 259, pp. 1769-1771 (March						
	50	Perry, et al., Bcl-2 acts upstream of the PARP protease and prevents it activation, Cell Death and Differentiation, Vol. 4, No. 1, pp. 29-33 (1997)									
	51	Rosenbaum, et al., Evidence of Hypoxia-induced, Programmed Cell Death of Cultured Neurons, Annals of Neurology, Vol. 36, No. 6, pp. 864-870)									
	52	Walker, P. Roy, et al., <i>Topoisomerase II-reactive Chemotherapeutic Drugs Induce Apoptosis in Thymocytes</i> , Cancer Research, Vol. 51, No. 4, pp. 1078-1085 (February 15, 1991)									
·	53	1996)		ed, Nature Biotechology, Vol. 14							
,	54	Lee, et al., <i>Cerami</i> No. 22 , pp. 13169-			of Biological Chemistry, Vol. 271,						
	55	Vol. 93, pp. 5325-5	5328 (May 1996)	, , , , , , , , , , , , , , , , , , ,	leath, Proc. Natl. Acad. Sci. USA,						
	56	Research, Vol. 211	I, pp. 314-321 (199	on Pathway of Apoptosis by Stau 94)							
	57	Metab. Dis., Vol. 1	6 , pp. 252-255 (199	93)	ers with Batten Disease, <u>J. Inher.</u>						
	58	pp. 1189-1193 (No	vember 17, 1995)	optosis as a Mechanism of Immu							
	59	Immunological Tole	erance, Immunity, \	is of Lymphocytes in an Immune /ol. 5 , pp. 7-16 (July 1996)							
	60	Hannun, Yusuf A., 274 , pp. 1855-1859		mide in Coordinating Cellular Res 996)	sponses to Stress, <u>Science</u> , Vol .						
	61	Janes, et al, A mod	lel of Batten diseas	se protein CLN3: Functional impli ochemical Societies, Vol. 399, p							
	62	Kulkarni, et al,. Sei Journal of Cell Scie		uces apoptotic cell death in a sui 1169-1179 (1994)	bset of Balb/c 3T3 fibroblasts,						
	63		osis as the Mechan	ism of Neurodegeneration in Bat	tten's Disease, <u>Journal of</u>						
	64	Liu, et al., Induction c, Cell, Vol. 86, pp	of Apoptotic Prog . 147-157 (July 12,	ram in Cell-Free Extracts: Requii 1996)	rement for dATP and Cytochrome						
	65	Mitchison, et al., G CLN3, Genomics,	enomic Structure a Vol. 40, pp. 346-35	nd Complete Nucleotide Sequen 0 (1997)							
	66		-Induced Apoptosis	s and the Sphingomyelin Pathwa	y, <u>Biochemical Pharmacology</u> ,						
Examiner S	ianature			Date Consid	ered						

4			/	(cono					
Substitute form 1449A/PTO MAY 2 0 2002					Complete if Known				
					Application Number	09/830,045			
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OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS									
Examiner	Cite	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal,							
Initials*	No.	·	serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published						
	67	Puranan	Puranam, et al., Upregulation of Bcl-2 and Elevation of Ceramide in Batten Disease, Neuropediatrics,						
			Vol. 28, pp. 37-41 (1997)						
	68	Smyth, et al., prICE: a downstream target for ceramide-induced apoptosis and for the inhibitory action							
		of Bcl-2, Biochem. J., Vol. 316, pp. 25-28 (1996)							
	69		The International Batten Disease Consortium, Isolation of a Novel Gene Underlying Batten Disease,						
	- 25		CLN3, Cell, Vol. 82, pp. 949-957 (September 22, 1995)						
	70	White, Eileen, Life, death, and the pursuit of apoptosis, Genes & Development, Vol. 10, pp. 1-15 (1996)							

Examiner Signature

Date Considered